

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	40	(422/507, 422/68.1, 422/503, 436/180).cds. and first with second with third with (channel microchannel micro adj channel conduit microconduit micro adj conduit) with ("same" single one) with (layer substrate plane surface)	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/05 11:09
L10	206	first adj (channel microchannel micro adj channel conduit microconduit micro adj conduit) with second with third with ("same" single one) near2 (layer substrate plane surface)	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/05 11:27
L11	191	L10 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/05 11:28
L12	15	L10 not L11	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/05 11:28
S1	5	("5230866" "6063589" "6117396" "6465225" "7144743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 16:33
S2	1	"20020195463"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 16:35
S3	65	(peters-ralf-peter, blankenstein-gert, osterloh-dirk).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 16:37
S4	26	S3 and (meter\$3 with (liquid or fluid or sample or reagent))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/25 17:06
S5	65	(peters-ralf-peter, blankenstein-gert, osterloh-dirk).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 08:59
S6	6	S5 and (meter\$3 with (liquid or fluid or sample or reagent)) and capillarity	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 08:59
S7	62	(meter\$3 with (liquid or fluid or sample or reagent)) same capillarity	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:08
S8	1	"08910726"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:10
S9	1	"5160702".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:32
S10	2	"20050153434"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:36
S11	7	"10229676"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:41
S12	1	"20030044322".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 09:45
S13	175	(capillarity with (gradient or greater or larger or lower or lesser)) same (channel or microchannel or conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 10:24
S14	147	S13 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 10:25
S15	28	S13 not S14	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 10:25

S16	517	(meter\$3 or (volume adj (determin\$3 or measur\$3))) with (liquid or fluid or sample or reagent) and capillarity	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:15
S17	437	S16 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:15
S18	80	S16 not S17	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:16
S19	61	S18 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:16
S20	1	"6063589".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:19
S21	26	08/910,726	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 11:23
S22	141	chang\$3 with (hydrophilic\$3 or (surface adj proper\$3)) with (channel or microchannel or conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 12:27
S23	67	S22 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 12:27
S24	74	S22 not S23	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 12:27
S25	185	(chang\$3 or transition) with (hydrophilic\$3 or (surface adj proper\$3) or capillarity or (capillary adj force)) with (channel or microchannel or conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 13:36
S26	44	S25 not S22	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 13:36
S27	26	S26 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 13:36
S28	18	S26 not S27	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/26 13:36
S29	5	("5230866" "6063589" "6117396" "6465225" "7144743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 14:19
S30	3	("5230866", "6117396", "20020195463").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 14:22
S31	3	(WO-0174490-\$, WO-0178893-\$, WO-0211888-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2009/03/26 14:26
S33	1	"6063589".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 08:21
S34	69	(peters-ralf-peter, blankenstein-gert, osterloh-dirk, peters-ralf).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 08:34
S35	65	(peters-ralf-peter, blankenstein-gert, osterloh-dirk).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 08:35
S36	4	S34 not S35	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 08:35

S37	26	(US-20020195463-\$ or US-20040209381-\$ or US-20040121450-\$ or US-20040121449-\$ or US-20030166265-\$ or US-20020150512-\$ or US-20050153434-\$ or US-20040099321-\$ or US-20040115833-\$ or US-20020103352-\$ or US-20050229722-\$ or US-20030124736-\$ or US-20040206408-\$ or US-20020106786-\$ or US-20040091399-\$ or US-20060165565-\$ or US-20010036674-\$ or US-20070092411-\$ or US-20020036018-\$ or US-20030044322-\$ or US-20030152927-\$).did. or (US-7036917-\$ or US-6663833-\$ or US-6143248-\$ or US-6231177-\$ or US-6063589-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/03/27 11:40
S38	3	S37 and absorbent	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 11:40
S39	2514	(422/99, /100, /101, /102).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 12:35
S40	1550	S39 and (liquid or fluid or sample or reagent) with (flow or mov\$3 or movement or transport\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 12:38
S41	23	S39 and (liquid or fluid or sample or reagent) with (flow or mov\$3 or movement or transport\$3) same ((capillarity or hydrophilic or hydrophobic) with (channel or microchannel or conduit or microconduit))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 12:39
S42	44	method with laser adj microdissection	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 14:02
S43	2854	branch\$3 with first with second with channel	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 14:03
S44	2609	S43 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 14:03
S45	245	S43 not S44	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 14:03
S46	84	S45 and @ad< "20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 14:10
S47	160	S45 and (capillar\$3 hydrophilic\$3) with (channel microchannel conduit groove trench wedge)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 15:42
S48	59	S47 and @ad< "20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 15:43
S49	2	("6117396", "2002195463", "5230866").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 16:15
S50	3	("6117396", "20020195463", "5230866").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 16:16
S52	3	09/349438	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 16:42
S53	172	(groove trough) with fluid with distribution with surface	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:55
S54	172	S53 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:55

S55	96	(groove trough) with fluid with distribution with (channel microchannel micro adj channel recess)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:56
S56	96	S55 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:57
S57	402	(groove trough) with fluid with distribution with surface	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 14:58
S58	402	S57 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:58
S59	280	(groove trough) with fluid with distribution with (channel microchannel micro adj channel recess)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 14:58
S60	280	S59 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:59
S61	155052	(groove trough) near2 surface	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 14:59
S62	154511	S61 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:59
S63	541	S61 not S62	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/18 14:59
S64	16418	(fluid liquid) with distribut\$3 with (channel microchannel micro adj channel recess groove trench trough)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 15:00
S65	25	S63 and S64	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 15:00
S66	346	(lithography photolithography) with (groove trench trough recess) with (channel microchannel micro adj channel)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 15:32
S67	314	S66 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 15:32
S68	32	S66 not S67	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/18 15:32
S69	64686	(channel microchannel micro adj channel conduit groove recess) with vertical\$2 with horizontal\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/28 17:16
S70	64157	S69 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/28 17:17
S71	529	S69 not S70	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/28 17:17
S72	5901	(channel microchannel micro adj channel conduit groove recess) near2 vertical\$2 near4 horizontal\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/28 17:18
S73	174	S71 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/28 17:18
S74	9	(channel microchannel micro adj channel conduit groove recess) near2 vertical\$2 near4 horizontal\$2 with capillar\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/29 08:36
S75	1438	(channel microchannel micro adj channel recess conduit groove trench) with fluid with meter\$3 with (volume amount)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 10:03

S76	1303	S75 not (microfluidic micro adj fluidic)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 10:03
S77	135	S75 not S76	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 10:03
S78	288	(fluid liquid) with (distribut\$3 meter\$3) with (channel microchannel micro adj channel recess groove trench trough) with (first branch) same reservoir	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 11:12
S79	262	S78 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 11:13
S80	26	S78 not S79	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 11:13
S81	15061	(fluid liquid) with meter\$3 with (cavity microcavity chamber recess)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:03
S82	14783	S81 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:03
S83	278	S81 not S82	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:03
S84	69	S83 and @ad< "20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:03
S85	443	(fluid liquid) with meter\$3 with (cavity microcavity chamber recess) with stop	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:10
S86	500	(fluid liquid) with meter\$3 with (cavity microcavity chamber recess) with (break stop)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:11
S87	490	S86 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:11
S88	10	S86 not S87	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:11
S89	987	meter\$3 with (liquid fluid) with reservoir with (channel microchannel micro adj channel conduit groove recess trench)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:47
S90	902	S89 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:48
S91	85	S89 not S90	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:48
S92	43	S91 and @ad< "20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:48
S93	1	"6063589".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:56
S94	3160	reservoir with (channel microchannel micro adj channel) with (substrate layer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:57
S95	1886	S94 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:57
S96	1274	S94 not S95	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:57
S97	515	S96 and @ad< "20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:57
S98	555	reservoir with (inlet port input) with (channel microchannel micro adj channel) with (substrate layer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:58

S99	286	S98 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:58
S100	139	S99 and @ad<"20030123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/29 14:58

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	1	(422/507, 422/68.1, 422/503, 436/180).ocls. and (microfluidic arrangement metering amounts liquid separating second first channel second one inlet outlet capillarity greater branch points greater predetermined volume). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2011/08/05 11:06

8/5/2011 11:43:47 AM

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